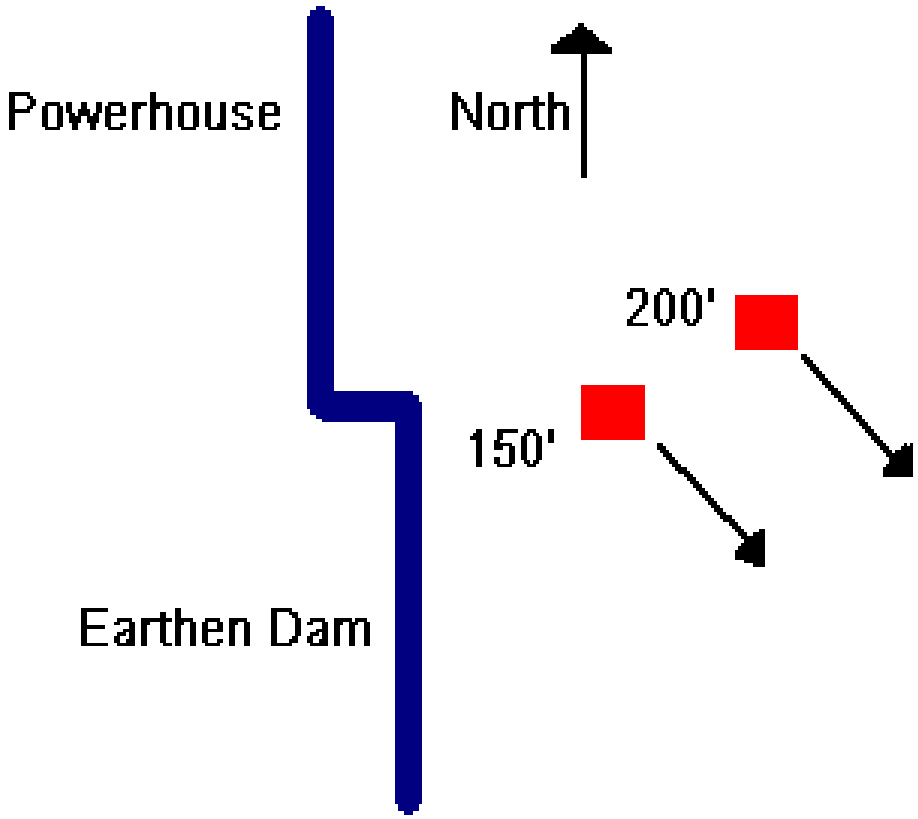
McNary Temperature Concerns

- Warm water in “culdesac” at South end of Powerhouse
- Warm water pulled into gatewells and collection channel
- Water temperatures are high enough to potentially cause significant stress and may be lethal
- Creates temperature gradient in collection channel which is harmful to fish
- Excessively warm temperatures are a stress to fish and negatively impact fish health

Flow Inducers

- Installed two barge mounted mixers
- Mixers are 10’ and 15’ depths.
- Positioned with slight upward angle
- Three day test blocks (Three days on, three days off, randomized)
- 01 is a test of concept
- Also monitoring fish physiology and condition

Deployment of Mixers



Where Do We Go From Here

- Year two mixer deployment and collection of temperature data
- Begin study of permanent solution
- Develop numerical temperature model